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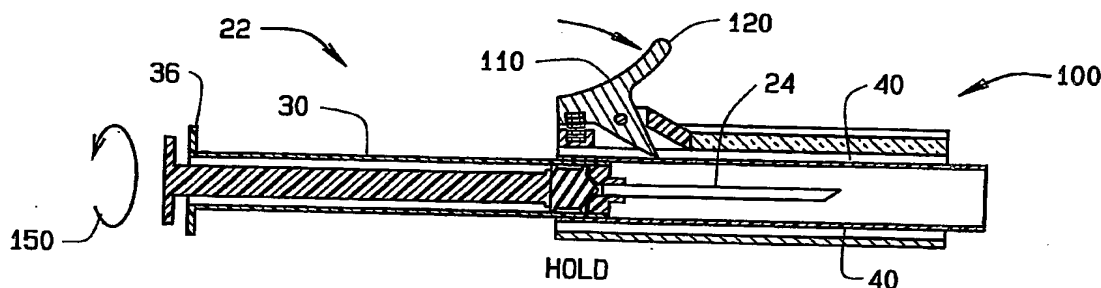
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- (71) Applicant (for all designated States except US): **MALLINCKRODT INC.** [US/US]; 675 McDonnell Boulevard, P.O. Box 5840, St. Louis, Missouri 63134 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **BESING, Quent** [US/US]; 881 Top Notch Lane, Eureka, Missouri 63025 (US).
- (74) Agent: **BOONE, Jeffrey, S.**; Mallinckrodt Inc., 675 McDonnell Boulevard, P.O. Box 5840, St. Louis, Missouri 63134 (US).
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(54) Title: RADIATION SHIELD FOR A SAFETY SYRINGE HAVING A NEEDLE SHEATH



(57) Abstract: A syringe injection shield (100) is formed primarily from a radio-opaque substance, such as tungsten, to shield medical personnel from exposure to radiation during administration of radiopharmaceuticals to patients. Safety syringes (22) typically have a needle sheath that can be positioned around a needle (24) after administration of the radiopharmaceutical. The syringe injection shield of the present invention allows medical personnel to make the syringe "safe" before the used syringe is removed from the syringe injection shield. The syringe is safe when the needle sheath is positioned and locked in place around the needle to reduce the risk of needle stick. The syringe injection shield includes a toggle element (110) that can assume four different positions as follows: neutral; ready; hold; and release.

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